

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) ~~Apparatus~~ An apparatus for loading vessels such as ~~reactors,~~ reactors and silos and similar ones with ~~solid~~ solid particles, ~~is characterized by the inclusion within the apparatus comprising: a vertical body~~

~~_____ (1) a supplying device made~~ device that includes up of a number plurality of bell shaped bell-shaped enlarged tubes having an enlarged bottom portion towards the bottom (2), wherein the plurality of bell-shaped tubes are co-axially arranged one arranged within the other one another,

~~_____ and a propulsion device (4), made up including apertures or nozzles for producing of gas jets (7) that are located below an edge of each of the plurality of bell-shaped tubes at same level and in front of the bell shaped openings tubes (2) and facing the outside for projecting the solid particles in a radially outward direction from a first vertical axis of the apparatus;~~
and

~~_____ a distribution device made up of that includes a number plurality of rotating plates (3), wherein each plate of the plurality of rotating plates rotating rotates around the axis a second axis of the apparatus, and wherein each of the plurality of rotating plates is disposed which is under a corresponding one of the plurality of the bell shaped bell-shaped opening tubes to receive the solid particles projected out by the gas jets.~~

2. (Currently Amended) ~~Apparatus~~ The apparatus according to claim 1, ~~in which there are in addition straight further comprising vertical pipes (6) and that can slide vertically independently, independently of each other around a corresponding one of the bell shaped plurality of bell-shaped tubes.~~

3. (Currently Amended) ~~Apparatus~~ The apparatus according to claim 1, ~~in which the distribution wherein the rotating plates are each constituted of~~ further comprise a annular perforated ring members specially fitted with brushes (30) or soft and flexible bristles.

4. (Currently Amended) ~~Apparatus~~ The apparatus according to ~~claim 1~~ claim 3, ~~wherein in which the brushes or brushes' bristles (30) have varying radial dimensions in accordance with~~ based upon their a position on the a periphery of the annular perforated ring members.

5. (Currently Amended) ~~Apparatus~~ The apparatus according to ~~claim 1~~ in which claim 1, further comprising a gas pressurizing device that generates a gas pressure for the force of the blowing can be adjusted by regulating adjusting a blowing force of the gas jets by regulating the gas pressure in the circular pipe a gas feeding circuit.

6. (Currently Amended) ~~Apparatus~~ The apparatus according to ~~claim 1~~ in which claim 1, wherein the apertures or nozzles are capable of being gas jets of propulsion device can be partially sealed and modulated by annular perforated rings ring members (5) that are fixed on to the plurality of rotating plates (3) of the distribution device.

7. (Currently Amended) ~~Apparatus~~ The apparatus according to ~~claim 1~~ is in which claim 5, wherein the a vertical direction of the gas jets (7), of the propulsion device vary varies in accordance with their based upon a position of the gas jets along the gas circuit from which they get their gas feed gas feeding circuit.

8. (Currently Amended) ~~Apparatus~~ The apparatus according to ~~claim 1~~ in which claim 5, wherein the gas jets (7) of the propulsion device get their gas feed from ring like the gas feeding circuit is an annular hollow chamber formed around and within each of the bell shaped openings of the feeding device (M) bell-shaped tubes.

9. (Currently Amended) ~~Apparatus~~ The apparatus according to ~~claim 1~~ in which the claim 5, wherein the propulsion of pressurized gas from one or more of the gas jets (7) are

is brought together to form a laminar jet originating from an opening along the ~~gas circuit~~gas
feeding circuit.

10. (Canceled)

11 (Canceled)